

CLAIMS

1. A remote control device for use with a television receiving apparatus, the television receiving apparatus comprising: a system controller, a receiver for receiving broadcast video data and supplemental textual data and a TV display for displaying the data, the remote control device being operable to communicate with the system controller of the television receiving apparatus and having its own display and user-operable control, wherein, the remote control device comprises means responsive to the user operable control for requesting and downloading video and/or supplemental textual data received by the television receiving apparatus and not currently displayed on the TV display, to be viewed by the user on the display of the remote control device.

2. A remote control device as claimed in claim 1 wherein the system controller of the television receiving apparatus comprises two or more tuners one of which is controllable by means of the user-operable control to find data and information for display on the display of the remote control device.

3. A remote control device as claimed in claim 1 or claim 2 wherein the user operable control comprises a user interface which includes an alphanumeric keyboard

4. A remote control device as claimed in claim 3 wherein the keyboard is a virtual keyboard displayed in the display of the remote control device and the display incorporates touch screen technology.

5. A remote control device as claimed in any of claims 1 to 3 wherein the user operable control comprises a user interface which includes touch screen technology incorporated into the display of the device.

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6. A remote control device as claimed in any preceding claim wherein

the user operable control comprises a user interface which includes speech recognition.

7. A remote control device as claimed in any preceding claim wherein
5 the remote control device is operable to communicate with the system controller by cordless means.

8. A remote control device as claimed in claim 7 wherein the cordless means are infra red.

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9. A remote control device as claimed in claim 7 wherein the cordless means are Bluetooth, IEEE 802.11 or HomeRF.

10. A remote control device as claimed in any preceding claim further
15 comprising a memory for storing data and information received by the device.

11. A remote control device as claimed in any preceding claim wherein the remote control is provided with means responsive to the user operable control for requesting, receiving and displaying data or information from an alternative
20 audio visual device other than is currently being displayed on the TV display.

12. A remote control device as claimed in claim 11 wherein the alternative audio-visual device is selected from a VCR, a video camera, a DVD player and a games console.

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13. A television receiving apparatus comprising a receiver for receiving broadcast video data and supplemental textual data in a plurality of data streams, a TV display for displaying data and a system controller, the system controller having means for receiving and processing a request from an alternative display
30 device to display data associated with a data stream other than that (or those) displayed on the TV display on the alternative display device.

14. A television receiving apparatus comprising a receiver for receiving broadcast video data and supplemental textual data, a TV display for displaying the data and a system controller, the system controller comprising a plurality of
5 tuners at least one tuner being controllable by means of the user-operable control associated with a remote control device as claimed in any preceding claim to display data on the display of the remote control device.

15. A method for providing interactive participation in a TV programme
10 comprising;
in a first data stream, broadcasting video of the programme to be displayed on a first display apparatus associated with a television receiving apparatus;
in a second data stream providing information relating to the content of the first data stream to be displayed on a second display apparatus, which second display
15 apparatus is provided with a user interface; and
requesting a user response to the information contained in the second data stream.

16. A method as claimed in claim 15 further comprising;
20 receiving a user response and updating and re-transmitting the information in the second data stream based on the nature of the user response.

17. A method as claimed in claim 15 or 16 wherein the first display apparatus is a TV display and the second display apparatus is a display provided
25 on a remote control device.

18. A method as claimed in any of claims 15 to 17 wherein the second data stream comprises questions about the content of the programme being broadcast via the first data stream.

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19. A method as claimed in claim 18 wherein the requested user

response is an answer to the questions in the second data stream.

20. A method as claimed in any of claims 15 to 19 wherein the second data stream comprises electronic credits for use by the recipient.

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21. A method as claimed in any of claims 18 to 20 wherein the questions are presented with associated odds and the user response includes an acceptance of the odds and authorisation to debit a defined number of credits electronically from an account held by the user.

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22. A method as claimed in claim 21 wherein the updated second data stream responsive to the user response includes credits amounting to a value based on a value of credits authorised for debit in the user response, the odds presented with the questions and the correctness of the user response.

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23. A method as claimed in claim 21 or 22 wherein the first data stream comprises video of a real time, live action event and the questions relate to actions anticipated but not yet carried out in the live action event.

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24. A method as claimed in claim 23 wherein the live action event is a sporting event.

25. A method as claimed in any of claims 21 to 24 wherein the credits correspond to actual currency in a users personal account.

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26. A method as claimed in any of claims 21 to 24 wherein the credits correspond to electronic credits of virtual currency originated by the broadcaster of the programme and provided to the user through previous interactions.

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27. A method as claimed in any of claims 15 to 17 wherein the information in the second data stream comprises an invitation to purchase goods

or services and the user response comprises an acceptance of the invitation and authorisation to debit a defined number of credits electronically from an account held by the user.

5 28. A method as claimed in any of claims 15 to 27 further comprising recording the user response whereby to build up a profile of the user, and selectively targeting the user with information which the profile suggests is of particular interest to the user.

10 29. A method as claimed in claims 15 to 17 wherein the first data stream comprises video of a real time, live action event; the second data stream includes options for perspectives from which the event may be viewed by the user, and the updated second data stream comprises a view of the event from the perspective selected by the user in his response.

15 30. A method as claimed in claim 29 wherein the first data stream is also updated in response to the user response thereby to provide the selected perspective view of the live action broadcast on the first display apparatus.

20 31. A method for displaying images and/or information associated with a data stream received by a television receiving apparatus on a display device remote from the television receiving apparatus comprising;
in response to a request, locating a data stream having associated therewith the requested images and/or information;
25 extracting the located data stream;
defining the extracted data stream in a form mutually comprehensible to the television receiving apparatus and the remote display device;
transmitting the defined data stream to the remote display device; and
rendering the images and/or information associated with the defined data stream
30 on a display screen of remote display device.

32. A method as claimed in claim 31 wherein the step of extracting involves instructing a tuner in the TV receiving apparatus to change to a specified frequency.

5 33. A method as claimed in claim 31 or 32 wherein the step of defining involves the use of XML.

34. A method as claimed in any of claims 30 to 33 wherein the step of transmitting involves the use of a wireless protocol.

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35. A method as claimed in claim 34 wherein the wireless protocol is a Bluetooth protocol.